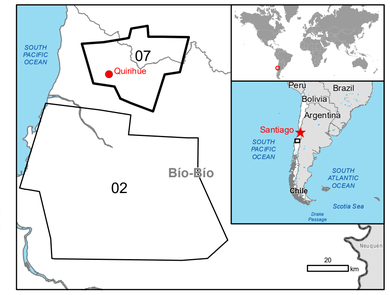
GLIDE number: N/A
Int. Charter Act. ID: N/A

Activation ID: EMSR647
Product N.: 07QUIRIHUE, v1

Quirihue - CHILE

Wildfire - Situation as of 13/02/2023

Delineation MONIT04 - Overview map 01



Cartographic Information

1:78000

Full color A1, 200 dpi resolution

0 1 2 4 km

N

Grid: WGS 1984 UTM Zone 18S map coordinate system
Tick marks: WGS 84 geographical coordinate system

Legend

Crisis Information
- Burnt Area

General Information
- Area of Interest

Administrative boundaries
- Municipality

Placenames
- Placename

Built-Up Area
- Residential
- School, university and research
- Other non-residential
- Cemetery

Hydrography
- River
- Stream
- Lake
- Land Subject to Inundation

Facilities
- Power plant construction
- Sport and recreation constructions
- Other civil engineering works not elsewhere classified

Transportation
- Primary Road
- Secondary Road
- Local Road

Land Use - Land Cover
- Features available in the vector package

Consequences within the AOI				
		Unit of measurement	Affected	Total in AOI
Burnt area		ha		23 451.2
Estimated population	Number of inhabitants		312	14 111
Built-up	Residential Buildings	ha	2.8	114.4
	School, university and research buildings	ha	0.0	1.6
	Other non-residential buildings	ha	0.0	30.3
	Cemetery	ha	0.0	2.6
Transportation	Primary Road	km	3.9	72.7
	Secondary Road	km	0.0	0.6
	Local Road	km	63.7	530.7
Facilities	Power plant constructions	ha	0.0	17.9
	Sport and recreation constructions	ha	0.0	14.2
	Other civil engineering works not elsewhere classified	ha	0.0	0.3
Land use	Heterogeneous agricultural areas	ha	6 196.8	46 883.2
	Forests	ha	11 353.6	44 056.3
	Shrub and/or herbaceous vegetation association	ha	5 887.1	33 258.0
	Inland wetlands	ha	11.2	32.4
	Other	ha	0.0	288.5

Map Information

In the last weeks (January- February 2023), Chile was heavily affected by serious forest fires/wild fires. On 5 January Chile requested support from UCPM Member States/ Participating States to limit the consequences of the destructive fires. The EMS Copernicus service for satellite maps was triggered in support to operations in the affected areas.

The present map shows the fire delineation in the area of Quirihue (Chile). The thematic layer has been derived from post-event satellite image using a semi-automatic approach. The scale of analysis is 1:50000. The estimated geometric accuracy (RMSE) is 12.5 m or better, from native positional accuracy of the background satellite image. The minimum mapping unit (MMU) is 2500 sq m.

Relevant date records (UTC)

Event	05/02/2023 00:00	Situation as of	13/02/2023 14:31
Activation	05/02/2023 20:28	Map production	14/02/2023

Data sources

Pre-event image: Sentinel-2A/B (2023) (acquired on 03/01/2023 at 14:37 UTC, GSD 10.0 m, approx. 0% coud coverage in AoI) provided under COPERNICUS by the European Union and ESA.
Post-event image: SPOT7 © Airbus DS (2023), (acquired on 13/02/2023 at 14:31 UTC, GSD 1.5 m, approx. 0% cloud coverage in AoI, 24.6° off-nadir angle), provided under COPERNICUS by the European Union and ESA, all rights reserved.

Base vector layers: OpenStreetMap © OpenStreetMap contributors (2023), Wikimapia.org, GeoNames 2015, Copernicus Global Land Service: Land Cover (2019), Global Administrative Areas (2012), refined by the producer.
Inset maps: JRC 2013, Natural Earth 2012, GeoNames 2015.

Population data: GHS Population Grid © European Commission, 2019 https://ghsl.jrc.ec.europa.eu/ghs_pop2019.php

Disclaimer

Products elaborated in this Copernicus EMS Rapid Mapping activity are realized to the best of our ability, within a very short time frame, optimising the available data and information. All geographic information has limitations due to scale, resolution, date and interpretation of the original sources. No liability concerning the contents or the use thereof is assumed by the producer and by the European Union.
The current Burnt Area Delineation cumulates all burnt area extents from previous post-event products.

Delivery formats are Layered Geospatial PDF, GeoJPEG and vector (ESRI shapefiles, Google Earth KML, GeoJSON).

Map produced by ITHACA released by e-GEOS (ODO).

For the latest version of this map and related products visit https://emergency.copernicus.eu/EMSR647

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